

Flood Control Project Maintenance
2010 Structure Summary Report
Overall Unit and Item Ratings

Madera County FCWCA

Ash And Berenda Slough Control Structures

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A

Fresno River Diversion Weir

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Revetments	A
	Encroachments	M
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	N
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	N
	Safety	A

Flood Control Project Maintenance
Unit Cover Sheet
2010 Structure Inspection Results

Madera County FCWCA

Structure
Ash And Berenda Slough Control Structures

Structure Rating	A
Date of Inspection	8/18/2010
DWR Inspector	Herman Phillips
Accompanied By	Mr. Brent Mecham Madera County Flood Control District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Ash And Berenda Slough Control Structures		08/18/2010 08/18/2010	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
1	0.00	0.00	Structures	Photo Documentation				37.158130 ° -120.124390 °	37.158130 ° -120.124390 °	Y	1
2	0.00	0.00	Structures	Vegetation & Obstructions		A		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °	Y	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		3
4	0.00	0.00	Structures	Erosion / Bank Caving		A		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		4
5	0.00	0.00	Structures	Revetments		N		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		5
6	0.00	0.00	Structures	Encroachments		A		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		8
9	0.00	0.00	Structures	Metal Pipes		N		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		9
10	0.00	0.00	Structures	Trash Racks		N		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		10
11	0.00	0.00	Structures	Flap Gates		N		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		11
12	0.00	0.00	Structures	Sluice/Slide Gates		N		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		12
13	0.00	0.00	Structures	Electric Gate Operators		N		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		13
14	0.00	0.00	Structures	Manual Gate Operators		N		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		14
15	0.00	0.00	Structures	Concrete Surfaces		A		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		16
17	0.00	0.00	Structures	Concrete Foundations		A		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °	Y	17

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Madera County FCWCA

Structure						Structure Length	Inspection Start/End	Inspector	
Ash And Berenda Slough Control Structures							08/18/2010 08/18/2010	Herman Phillips	

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
18	0.00	0.00	Structures	Security Fencing		A		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		18
19	0.00	0.00	Structures	Closure Structures		A		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		19
20	0.00	0.00	Structures	Trash Rakes		N		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		20
21	0.00	0.00	Structures	Other Metallic Items		N		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		21
22	0.00	0.00	Structures	Monolith Joints		N		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °		22
23	0.00	0.00	Structures	Safety		A		37.158130 ° -120.124390 °	37.158130 ° -120.124390 °	Y	23

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Ash And Berenda Slough Control Structures		08/18/2010 08/18/2010	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Photo Documentation
Standing on downstream right bank of Berenda slough. 37.15813N -120.12439W	
phillips_t_20100823_015.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Photo Documentation
Standing on right bank upstream of structure.	
phillips_t_20100823_016.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Vegetation & Obstructions
Downstream of Berenda Slough control structure. No veg.	
phillips_t_20100902_043.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Ash And Berenda Slough Control Structures		08/18/2010 08/18/2010	Herman Phillips

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Vegetation & Obstructions
Looking at R/B of Berenda Slough, no veg obstruction in channel.	
phillips_t_20100902_044.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Vegetation & Obstructions
Looking upstream of Berenda.	
phillips_t_20100902_045.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Vegetation & Obstructions
Looking up stream of Ash Slough.	
phillips_t_20100902_046.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Ash And Berenda Slough Control Structures		08/18/2010 08/18/2010	Herman Phillips

Levee Mile Report Line	17
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Concrete Foundations
<p>This photo shows the concrete structure of Ash from downstream R/B of structure. 37.19352N - 120.56293W.</p> <p>phillips_t_20100902_042.jpg</p>	



Levee Mile Report Line	23
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Safety
<p>Board damage on cat walk. This photo was taken 2009.</p> <p>phillips_t_20100812_006.jpg</p>	



Levee Mile Report Line	23
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Safety
<p>This photo shows where the broken boards from last years inspection has been replaced with new materials. You can also see the safety cables across the walk way.</p> <p>phillips_t_20100902_041.jpg</p>	

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Flood Control Project Maintenance**Unit Cover Sheet****2010 Structure Inspection Results****Madera County FCWCA**

Structure
Fresno River Diversion Weir

Structure Rating	A
Date of Inspection	8/18/2010
DWR Inspector	Herman Phillips
Accompanied By	Brent Mecham Madera County Flood Control

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Diversion Weir		08/18/2010 08/18/2010	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
1	0.00	0.00	Structures	Photo Documentation				36.968216 ° -120.255427 °	36.968216 ° -120.255427 °	Y	1
2	0.00	0.00	Structures	Vegetation & Obstructions		M		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		3
4	0.00	0.00	Structures	Revetments		A		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		5
5	0.00	0.00	Structures	Encroachments		M		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		6
6	0.00	0.00	Structures	Culverts: Inlets / Outlets		A		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		7
7	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		8
8	0.00	0.00	Structures	Metal Pipes		N		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		9
9	0.00	0.00	Structures	Trash Racks		N		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		10
10	0.00	0.00	Structures	Flap Gates		N		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		11
11	0.00	0.00	Structures	Sluice/Slide Gates		A		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		12
12	0.00	0.00	Structures	Electric Gate Operators		N		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		13
13	0.00	0.00	Structures	Manual Gate Operators		A		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °	Y	14
14	0.00	0.00	Structures	Concrete Surfaces		A		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		15
15	0.00	0.00	Structures	Concrete Tilting / Settlement		N		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		16
16	0.00	0.00	Structures	Concrete Foundations		A		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		17
17	0.00	0.00	Structures	Security Fencing		N		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		18

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Madera County FCWCA

Structure						Structure Length	Inspection Start/End	Inspector		
Fresno River Diversion Weir							08/18/2010 08/18/2010	Herman Phillips		

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
18	0.00	0.00	Structures	Closure Structures		N		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		19
19	0.00	0.00	Structures	Trash Rakes		N		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		20
20	0.00	0.00	Structures	Other Metallic Items		A		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		21
21	0.00	0.00	Structures	Monolith Joints		N		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °		22
22	0.00	0.00	Structures	Safety		A		36.968216 ° -120.255427 °	36.968216 ° -120.255427 °	Y	23

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Diversion Weir		08/18/2010 08/18/2010	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Photo Documentation

Looking at the downstream end of the Fresno control structure.

phillips_t_20100831_018.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Photo Documentation

From this angle on unit 6 you can see the growth in the downstream end of structure. Trees that should be removed.

phillips_t_20100831_020.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Photo Documentation

From RB downstream view of growth in outlet end of structure. View here also shows the walk way with safety railing if place.

phillips_t_20100831_021.jpg



*** Location**

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N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Diversion Weir		08/18/2010 08/18/2010	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Photo Documentation

View of safety railing and walk way.

phillips_t_20100831_022.jpg



Levee Mile Report Line	13
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Manual Gate Operators

Manual gates are in good condition viewed from L/B Unit #6.

phillips_t_20100901_026.jpg



Levee Mile Report Line	13
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Manual Gate Operators

Another view of the manual screw gate viewed from walk way.

phillips_t_20100901_027.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Madera County FCWCA

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Diversion Weir		08/18/2010 08/18/2010	Herman Phillips

Levee Mile Report Line	22
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Safety
View of both walkways, safety railings in good shape.	
phillips_t_20100901_029.jpg	

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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N : Not Inspected/Rated